

## Chapter 10 Study Sheet

**standard form of a quadratic function:**

**quadratic parent function:**

**vertex of parent function:**

**axis of symmetry of parent function:**

**parabola:**

**axis of symmetry:**

**vertex:**

**minimum:**

**maximum:**

**width of parabola:**

**quadratic equation:**

**To Graph QF's in the form  $y = ax^2 + bx + c$**

**To Solve Parabolic Motion Word Problems**

**To Solve QE's by Graphing**

**To Solve QE's by Square Roots**

**To Solve QE's by Factoring**

**Zero Product Property**

**Solutions of QE's (include all synonyms)**

**Quadratic Formula!!**

